Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A film comprising a polyethylene composition possessing a density of between 0.940 and 0.970 g/cm³, and an I₂₁ value of from 4 to 20 dg/min; characterized in that the polyethylene composition extrudes at a melt temperature, T_m, that satisfies the following relationship:

$$T_m \le 235 - 3.3 (I_{21})$$

wherein the polyethylene composition is extruded at a specific throughput of from 1 to 1.5 lbs/hr/rpm; and wherein the polyethylene composition formed into a film has a gel count of less than 100.

- 2. (Cancelled)
- 3. (Currently amended) A The film comprising a polyethylene composition of Claim 1, wherein the polyethylene composition comprising comprises a high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 50,000 amu; the polyethylene composition possessing a density of between 0.940 and 0.970 g/cm³, and an I₂₁ value of less than 20 dg/min and a Mw/Mn value of from greater than 35; characterized in that the film has a gel count of less than 100.

- 4. (Currently amended) The film of Claim 1, 2 or 3, wherein the polyethylene composition emprising comprises a high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 40,000 amu.
- 5. (Original) The film of Claim 4, wherein the low molecular weight component possesses a weight average molecular weight of less than 30,000 amu.
- 6. (Original) The film of Claim 4, wherein the low molecular weight component has a weight average molecular weight of less than 20,000 amu.
- 7. (Original) The film of Claim 4, wherein the low molecular weight component has a weight average molecular weight of less than 15,000 amu.
- 8. (Currently amended) The film of Claim 1 or -2, wherein the polyethylene composition has an M_w/M_n value of from greater than 35.
- 9. (Currently amended) The film of Claim 1, 2 or 3, wherein the polyethylene composition has an M_w/M_n value of from greater than 40.
- 10. (Currently amended) The film of Claim 1, 2 or 3, wherein the polyethylene composition has an elasticity of greater than 0.60.
- 11. (Currently amended) The film of Claim 1, 2 or 3, wherein the polyethylene composition is free of hard foulants.
- 12. (Currently amended) The film of Claim 1 or 2, wherein the polyethylene composition extrudes at a specific throughput of from 1 to 1.4 lbs/hr/rpm.

- 13. (Currently amended) The film of Claim 1 or 2, wherein the polyethylene composition extrudes at a specific throughput of from 1 to 1.3 lbs/hr/inch.
- 14. (Currently amended) The film of Claim 1, 2 or 3, wherein the film is produced by the steps comprising:
 - (a) first forming a polyethylene composition comprising incorporating the high molecular weight polymer into the low molecular weight polymer formed by contacting ethylene and C_3 to C_{12} α -olefins, an alkylaluminum, and a bimetallic catalyst composition; followed by
 - (b) extruding the polyethylene composition to form pellets while optionally adding oxygen, to form pellets of polyethylene composition;
 - (c) isolating pellets of polyethylene composition;
 - (d) extruding the pellets of polyethylene composition in an extruder to form a film.
- 15. (Original) The film of Claim 14, wherein from 0.01 to 14 SCFM of oxygen is added to the polyethylene composition during step (b).
- 16. (Currently amended) The film of Claim 1, 2, or 3, wherein the polyethylene composition is produced in a single continuous gas phase reactor process.
- 17. (Currently amended) The film of Claim 1 or 2 3, wherein the film has a gel count of less than 50.
- 18. (Currently amended) The film of Claim 1, 2 or 3, wherein the weight percent of the high molecular weight component is greater than 50 wt% relative to the total polyethylene composition as measured by GPC.

- 19. (Currently amended) The film of Claim 1, 2 or 3, wherein the weight percent of the high molecular weight component ranges from 50 to 80 wt% relative to the total polyethylene composition as measured by GPC.
- 20. (Currently amended) The film of Claim 1, 2 or 3, wherein the polyethylene composition comprises poly(ethylene-co-1-butene).
- 21. (Currently amended) The film of Claim 1, 2 or 3, wherein the polyethylene composition is extruded using a motor load of less than 80 % the maximum motor load.
- 22. (New) A film comprising a polyethylene composition possessing a density of between 0.940 and 0.970 g/cm³, and an I₂₁ value of from 4 to 20 dg/min; characterized in that the polyethylene composition extrudes at a melt temperature, T_m, that satisfies the following relationship:

$$T_m \le 240 - 3.3 (I_{21})$$

wherein the polyethylene composition is extruded at a specific throughput of from 1 to 1.5 lbs/hr/rpm; and wherein the polyethylene composition formed into a film has a gel count of less than 100.

- 23. (New) The film of Claim 22, wherein the polyethylene composition comprises a high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 50,000 amu; the polyethylene composition possessing a Mw/Mn value of from greater than 35.
- 24. (New) The film of Claim 23, wherein the polyethylene composition comprises a high molecular weight component having a weight average molecular weight of

greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 40,000 amu.

- 25. (New) The film of Claim 24, wherein the low molecular weight component possesses a weight average molecular weight of less than 30,000 amu.
- 26. (New) The film of Claim 24, wherein the low molecular weight component has a weight average molecular weight of less than 20,000 amu.
- 27. (New) The film of Claim 22, wherein the polyethylene composition has an M_w/M_n value of from greater than 35.
- 28. (New) The film of Claim 22, wherein the polyethylene composition is free of hard foulants.
- 29. (New) The film of Claim 22, wherein the polyethylene composition extrudes at a specific throughput of from 1 to 1.4 lbs/hr/rpm.
- 30. (New) The film of Claim 22, wherein the film is produced by the steps comprising:
 - (a) first forming a polyethylene composition comprising incorporating the high molecular weight polymer into the low molecular weight polymer formed by contacting ethylene and C₃ to C₁₂ α-olefins, an alkylaluminum, and a bimetallic catalyst composition; followed by
 - (b) extruding the polyethylene composition to form pellets while optionally adding oxygen, to form pellets of polyethylene composition;
 - (c) isolating pellets of polyethylene composition;

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- (d) extruding the pellets of polyethylene composition in an extruder to form a film.
- 31. (New) The film of Claim 30, wherein from 0.01 to 14 SCFM of oxygen is added to the polyethylene composition during step (b).
- 32. (New) The film of Claim 22, wherein the polyethylene composition is produced in a single continuous gas phase reactor process.
- 33. (New) The film of Claim 22, wherein the polyethylene composition comprises poly(ethylene-co-1-butene).
- 34. (New) The film of Claim 22, wherein the polyethylene composition is extruded using a motor load of less than 80 % the maximum motor load.
- 35. (New) A film comprising a polyethylene composition possessing a density of between 0.940 and 0.970 g/cm³, and an I₂₁ value of from 4 to 20 dg/min; characterized in that the polyethylene composition extrudes at a melt temperature, T_m, that satisfies the following relationship:

$$T_m \le 235 - 3.5 (I_{21})$$

wherein the polyethylene composition is extruded at a specific throughput of from 1 to 1.5 lbs/hr/rpm; and wherein the polyethylene composition formed into a film has a gel count of less than 100.

36. (New) The film of Claim 35, wherein the polyethylene composition comprises a high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 50,000 amu; the polyethylene composition possessing a Mw/Mn value of from greater than 35.

- (New) The film of Claim 36, wherein the polyethylene composition comprises a 37. high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 40,000 amu.
- 38. (New) The film of Claim 36, wherein the low molecular weight component possesses a weight average molecular weight of less than 30,000 amu.
- 39. (New) The film of Claim 36, wherein the low molecular weight component has a weight average molecular weight of less than 20,000 amu.
- 40. (New) The film of Claim 35, wherein the polyethylene composition has an M_w/M_n value of from greater than 35.
- (New) The film of Claim 35, wherein the polyethylene composition is free of 41. hard foulants.
- (New) The film of Claim 35, wherein the polyethylene composition extrudes at a 42. specific throughput of from 1 to 1.4 lbs/hr/rpm.
- (New) The film of Claim 35, wherein the film is produced by the steps comprising: 43.
 - first forming a polyethylene composition comprising incorporating the high (a) molecular weight polymer into the low molecular weight polymer formed by contacting ethylene and C₃ to C₁₂ \alpha-olefins, an alkylaluminum, and a bimetallic catalyst composition; followed by
 - extruding the polyethylene composition to form pellets while optionally (b) adding oxygen, to form pellets of polyethylene composition;
 - (c) isolating pellets of polyethylene composition;

- (d) extruding the pellets of polyethylene composition in an extruder to form a film.
- 44. (New) The film of Claim 43, wherein from 0.01 to 14 SCFM of oxygen is added to the polyethylene composition during step (b).
- 45. (New) The film of Claim 35, wherein the polyethylene composition is produced in a single continuous gas phase reactor process.
- 46. (New) The film of Claim 35, wherein the polyethylene composition comprises poly(ethylene-co-1-butene).
- 47. (New) The film of Claim 35, wherein the polyethylene composition is extruded using a motor load of less than 80 % the maximum motor load.
- 48. (New) A film comprising a polyethylene composition possessing a density of between 0.940 and 0.970 g/cm³, and an I₂₁ value of from 4 to 20 dg/min; characterized in that the polyethylene composition extrudes at a melt temperature, T_m, that satisfies the following relationship:

$$T_m \le 240 - 3.5 (I_{21})$$

wherein the polyethylene composition is extruded at a specific throughput of from 1 to 1.5 lbs/hr/rpm; and wherein the polyethylene composition formed into a film has a gel count of less than 100.

49. (New) The film of Claim 48, wherein the polyethylene composition comprises a high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 50,000 amu; the polyethylene composition possessing a Mw/Mn value of from greater than 35.

- 50. (New) The film of Claim 49, wherein the polyethylene composition comprises a high molecular weight component having a weight average molecular weight of greater than 50,000 amu and a low molecular weight component having a weight average molecular weight of less than 40,000 amu.
- 51. (New) The film of Claim 49, wherein the low molecular weight component possesses a weight average molecular weight of less than 30,000 amu.
- 52. (New) The film of Claim 49, wherein the low molecular weight component has a weight average molecular weight of less than 20,000 amu.
- 53. (New) The film of Claim 48, wherein the polyethylene composition has an M_w/M_n value of from greater than 35.
- 54. (New) The film of Claim 48, wherein the polyethylene composition is free of hard foulants.
- 55. (New) The film of Claim 48, wherein the polyethylene composition extrudes at a specific throughput of from 1 to 1.4 lbs/hr/rpm.
- 56. (New) The film of Claim 48, wherein the film is produced by the steps comprising:
 - (a) first forming a polyethylene composition comprising incorporating the high molecular weight polymer into the low molecular weight polymer formed by contacting ethylene and C₃ to C₁₂ α-olefins, an alkylaluminum, and a bimetallic catalyst composition; followed by
 - (b) extruding the polyethylene composition to form pellets while optionally adding oxygen, to form pellets of polyethylene composition;
 - (c) isolating pellets of polyethylene composition;

- (d) extruding the pellets of polyethylene composition in an extruder to form a film.
- 57. (New) The film of Claim 56, wherein from 0.01 to 14 SCFM of oxygen is added to the polyethylene composition during step (b).
- 58. (New) The film of Claim 48, wherein the polyethylene composition is produced in a single continuous gas phase reactor process.
- 59. (New) The film of Claim 48, wherein the polyethylene composition comprises poly(ethylene-*co*-1-butene).
- 60. (New) The film of Claim 48, wherein the polyethylene composition is extruded using a motor load of less than 80 % the maximum motor load.